

**TRANSMITTAL OF
UTILITY
APPLICATION
UNDER 37
C.F.R. §1.53**

Attorney Docket No.	24736-2073
Customer No.	24961
First Named Inventor	VAN DEN BOOM
Express Mail Label No.	EV 417728346 US
Date of Mailing	November 26, 2003

2388 U.S. PTO
10/723365



Application Elements


1. ☒ Fee Transmittal Form
2. ☒ Specification containing 160 pages
(including claims and Abstract).
 - a. Title: **FRAGMENTATION-BASED
METHODS AND SYSTEMS FOR
SEQUENCE VARIATION DETECTION
AND DISCOVERY**
 - b. Number of claims: 73
3. ☒ 4 sheets of drawings with 1-4 Figure(s).
4. ☐ Unexecuted Declaration listing name of
inventor(s).
5. ☒ Sequence Listing (41 pages):
 - ☒ Paper copy (identical to computer
copy)
 - ☒ Computer readable copy
 - ☒ Verified Statement

Accompanying Application Papers

6. ☐ Copy of Assignments from prior
application
7. ☒ Small Entity Status is claimed
8. ☐ Preliminary Amendment
9. ☒ Return Receipt Postcard

SIGNATURE OF ATTORNEY/AGENT

HELLER EHRMAN WHITE & McAULIFFE LLP


Stephanie Seidman
Registration Number: 33,779

☒ Benefit of priority under 35 U.S.C. Section 119(e) is claimed to U.S. Provisional Application Serial No. 60/429,895, filed November 27, 2002. The subject matter of each of the Provisional applications is incorporated by reference in its entirety.

CORRESPONDENCE ADDRESS

NAME	Stephanie Seidman Registration No. 33,779 Heller Ehrman White & McAuliffe LLP	
Address	4350 La Jolla Village Drive, 7th Floor, San Diego, CA 92122-1246	
	Telephone: (858) 450-8400	Facsimile: (858) 587-5360

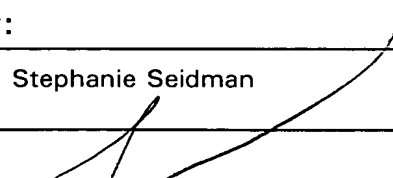
FEE TRANSMITTAL ACCOMPANYING UTILITY APPLICATION UNDER 37 C.F.R. §1.53	Attorney Docket No.	24736-2073
	Customer No.	24961
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FEE CALCULATION FOR CLAIMS AS AMENDED

a)	Basic Fee		\$ <u>770.00</u>
b)	Independent Claims	$\frac{9}{- 3} = \frac{6}{x} \times \$ 86.00$	\$ <u>516.00</u>
c)	Total Claims	$\frac{73}{- 20} = \frac{53}{x} \times \$ 18.00$	\$ <u>954.00</u>
d)	Fee for Multiple Dependent Claims-	\$290.00	\$ <u>0.00</u>

TOTAL FILING FEE \$ 2,240.00

- [X] Status as Small Entity is claimed, reducing Fee by one-half to \$ 1,120.00.
- [X] A check in the amount of \$ 1,120.00 to cover the fee for filing the application.
- [] Charge \$.00 to Deposit Account No. 50-1213.
- [X] The Commissioner is hereby authorized to charge any fees, including the filing fee and excess claims fee, that may be required in this application under 37 C.F.R. §§ 1.16-1.17 during its entire pendency, or credit any overpayment, to Deposit Account No. 50-1213. If proper payment is not enclosed, such as a check in the wrong amount, unsigned, post-dated, otherwise improper or informal, or absent, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-1213 during the entire pendency of this application. This sheet is filed in duplicate.

CORRESPONDENCE ADDRESS					
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Address	4350 La Jolla Village Drive, 7th Floor, San Diego, CA 92122-1246				
	Telephone: (858) 450-8400			Facsimile: (858) 587-5360	
Submitted by:					
Typed or printed name	Stephanie Seidman			Reg. Number	33,779
Signature			Date	11/26/03	Deposit Account 50-1213